Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10652670 on October 07, 2005

12   707/3   (4 OR, 8 XR)
        Class   707 : DATA PROCESSING: DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
        707/1   DATABASE OR FILE ACCESSING
        707/3   .Query processing (i.e., searching)

 8   707/4   (2 OR, 6 XR)
        Class   707 : DATA PROCESSING: DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
        707/1   DATABASE OR FILE ACCESSING
        707/3   .Query processing (i.e., searching)
        707/4   ..Query formulation, input preparation, or
                            translation

 8   715/501.1   (6 OR, 2 XR)
        Class   715 : DATA PROCESSING: PRESENTATION PROCESSING OF
                            DOCUMENT
        715/500   PRESENTATION PROCESSING OF DOCUMENT
        715/501.1   .Hypermedia

 8   715/513   (4 OR, 4 XR)
        Class   715 : DATA PROCESSING: PRESENTATION PROCESSING OF
                            DOCUMENT
        715/500   PRESENTATION PROCESSING OF DOCUMENT
        715/513   .Structured document (e.g., HTML, SGML, ODA,
                            CDA)

 7   707/5   (3 OR, 4 XR)
        Class   707 : DATA PROCESSING: DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
        707/1   DATABASE OR FILE ACCESSING
        707/3   .Query processing (i.e., searching)
        707/5   ..Query augmenting and refining (e.g., inexact
                            access)

 7   715/530   (2 OR, 5 XR)
        Class   715 : DATA PROCESSING: PRESENTATION PROCESSING OF
                            DOCUMENT
        715/500   PRESENTATION PROCESSING OF DOCUMENT
        715/530   .Edit, composition, or storage control

 7   715/531   (1 OR, 6 XR)
        Class   715 : DATA PROCESSING: PRESENTATION PROCESSING OF
                            DOCUMENT
        715/500   PRESENTATION PROCESSING OF DOCUMENT
        715/530   .Edit, composition, or storage control
        715/531   ..Text

 6   707/2   (2 OR, 4 XR)
        Class   707 : DATA PROCESSING: DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
        707/1   DATABASE OR FILE ACCESSING
        707/2   .Access augmentation or optimizing

 6   707/6   (1 OR, 5 XR)
        Class   707 : DATA PROCESSING: DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
        707/1   DATABASE OR FILE ACCESSING
        707/3   .Query processing (i.e., searching)

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        707/6          ..Pattern matching access

6  715/521       (3 OR, 3 XR)
        Class  715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                         DOCUMENT
        715/500          PRESENTATION PROCESSING OF DOCUMENT
        715/517          .Layout
        715/521          ..Boundary processing

5  358/1.15      (4 OR, 1 XR)
        Class  358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

        358/1.1          STATIC PRESENTATION PROCESSING (E.G.,
                            PROCESSING DATA FOR PRINTER, ETC.)
        358/1.15         .Communication

5  358/403       (2 OR, 3 XR)
        Class  358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

        358/400          FACSIMILE
        358/403          .Document filing and retrieval system

5  382/306       (1 OR, 4 XR)
        Class  382 :  IMAGE ANALYSIS
        382/276          IMAGE TRANSFORMATION OR PREPROCESSING
        382/305          .Image storage or retrieval
        382/306          ..Using identification indicia on document

5  707/104.1     (2 OR, 3 XR)
        Class  707 :  DATA PROCESSING:  DATABASE AND FILE
                         MANAGEMENT OR DATA STRUCTURES
        707/100          DATABASE SCHEMA OR DATA STRUCTURE
        707/104.1        .Application of database or data structure
                            (e.g., distributed, multimedia, image)

5  715/517       (4 OR, 1 XR)
        Class  715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                         DOCUMENT
        715/500          PRESENTATION PROCESSING OF DOCUMENT
        715/517          .Layout

4  345/473       (2 OR, 2 XR)
        Class  345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL   DISPLAY
                         SYSTEMS
        345/418          COMPUTER GRAPHICS PROCESSING
        345/473          .Animation

4  358/1.13      (2 OR, 2 XR)
        Class  358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

        358/1.1          STATIC PRESENTATION PROCESSING (E.G.,
                            PROCESSING DATA FOR PRINTER, ETC.)
        358/1.13         .Emulation or plural modes

4  382/176       (2 OR, 2 XR)
        Class  382 :  IMAGE ANALYSIS
        382/173          IMAGE SEGMENTATION
        382/176          .Distinguishing text from other regions

4  382/305       (1 OR, 3 XR)
        Class  382 :  IMAGE ANALYSIS
        382/276          IMAGE TRANSFORMATION OR PREPROCESSING
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              382/305          .Image storage or retrieval

4  707/102          (1 OR, 3 XR)
        Class     707 :  DATA PROCESSING:  DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
              707/100          DATABASE SCHEMA OR DATA STRUCTURE
              707/102          .Generating database or data structure (e.g.,
                                 via user interface)

4  707/7            (2 OR, 2 XR)
        Class     707 :  DATA PROCESSING:  DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
              707/1            DATABASE OR FILE ACCESSING
              707/7            .Sorting

4  715/508          (2 OR, 2 XR)
        Class     715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                            DOCUMENT
              715/500          PRESENTATION PROCESSING OF DOCUMENT
              715/505          .Form
              715/507          ..Form filling
              715/508          ...Fitting data into field on form

4  715/514          (0 OR, 4 XR)
        Class     715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                            DOCUMENT
              715/500          PRESENTATION PROCESSING OF DOCUMENT
              715/514          .Hierarchical control

4  715/518          (1 OR, 3 XR)
        Class     715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                            DOCUMENT
              715/500          PRESENTATION PROCESSING OF DOCUMENT
              715/517          .Layout
              715/518          ..Spacing control

4  715/520          (1 OR, 3 XR)
        Class     715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                            DOCUMENT
              715/500          PRESENTATION PROCESSING OF DOCUMENT
              715/517          .Layout
              715/520          ..Area designation

4  715/526          (0 OR, 4 XR)
        Class     715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                            DOCUMENT
              715/500          PRESENTATION PROCESSING OF DOCUMENT
              715/526          .Display processing

4  715/835          (1 OR, 3 XR)
        Class     715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                            DOCUMENT
              715/700          OPERATOR INTERFACE (E.G., GRAPHICAL USER
                                   INTERFACE)
              715/764          .On-screen workspace or object
              715/810          ..Menu or selectable iconic array (e.g.,
                                 palette)
              715/835          ...Selectable iconic array

3  345/168          (0 OR, 3 XR)
        Class     345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                            INTERFACE PROCESSING, AND SELECTIVE VISUAL   DISPLAY
                            SYSTEMS
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          345/156      DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
          345/168      .Including keyboard

3  345/418      (2 OR, 1 XR)
      Class    345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                        INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                        SYSTEMS
          345/418      COMPUTER GRAPHICS PROCESSING

3  345/467      (1 OR, 2 XR)
      Class    345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                        INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                        SYSTEMS
          345/418      COMPUTER GRAPHICS PROCESSING
          345/467      .Character generating

3  345/471      (1 OR, 2 XR)
      Class    345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                        INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                        SYSTEMS
          345/418      COMPUTER GRAPHICS PROCESSING
          345/467      .Character generating
          345/471      ..Alteration of stored font

3  345/629      (1 OR, 2 XR)
      Class    345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                        INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                        SYSTEMS
          345/418      COMPUTER GRAPHICS PROCESSING
          345/619      .Graphic manipulation (object processing or
                          display attributes)
          345/629      ..Merge or overlay

3  349/42       (3 OR, 0 XR)
      Class    349 :  LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
          349/19       PARTICULAR EXCITATION OF LIQUID CRYSTAL
          349/33       .Electrical excitation of liquid crystal (i.e.,
                          particular voltage pulses, AC vs. DC, threshold
voltages,
                          etc.)
          349/41       ..With particular switching device
          349/42       ...Transistor

3  358/1.9      (1 OR, 2 XR)
      Class    358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

          358/1.1      STATIC PRESENTATION PROCESSING (E.G.,
                          PROCESSING DATA FOR PRINTER, ETC.)
          358/1.9      .Attribute control

3  358/400      (2 OR, 1 XR)
      Class    358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

          358/400      FACSIMILE

3  358/462      (0 OR, 3 XR)
      Class    358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

          358/400      FACSIMILE
          358/443      .Specific signal processing circuitry
          358/448      ..Image processing
          358/462      ...Text and image detection and processing
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3   358/468        (2 OR, 1 XR)
        Class  358 :   FACSIMILE AND STATIC PRESENTATION PROCESSING

        358/400        FACSIMILE
        358/443        .Specific signal processing circuitry
        358/468        ..Facsimile control unit

3   382/173        (2 OR, 1 XR)
        Class  382 :   IMAGE ANALYSIS
        382/173        IMAGE SEGMENTATION

3   382/190        (0 OR, 3 XR)
        Class  382 :   IMAGE ANALYSIS
        382/181        PATTERN RECOGNITION
        382/190        .Feature extraction

3   382/229        (1 OR, 2 XR)
        Class  382 :   IMAGE ANALYSIS
        382/181        PATTERN RECOGNITION
        382/229        .Context analysis or word recognition (e.g.,
                          character string)

3   400/76         (1 OR, 2 XR)
        Class  400 :   TYPEWRITING MACHINES
        400/76         INCLUDING CONTROL OF FORMAT BY
                          PROGRAMMED-CONTROL-SYSTEM

3   704/3          (1 OR, 2 XR)
        Class  704 :   DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                          LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                          COMPRESSION/DECOMPRESSION
        704/1          LINGUISTICS
        704/2          .Translation machine
        704/3          ..Having particular Input/Output device

3   709/217        (1 OR, 2 XR)
        Class  709 :   ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:  MULTIPLE COMPUTER OR PROCESS   COORDINATING
        709/217        REMOTE DATA ACCESSING

3   715/507        (0 OR, 3 XR)
        Class  715 :   DATA PROCESSING:  PRESENTATION PROCESSING OF
                          DOCUMENT
        715/500        PRESENTATION PROCESSING OF DOCUMENT
        715/505        .Form
        715/507        ..Form filling

3   715/510        (1 OR, 2 XR)
        Class  715 :   DATA PROCESSING:  PRESENTATION PROCESSING OF
                          DOCUMENT
        715/500        PRESENTATION PROCESSING OF DOCUMENT
        715/509        .Table
        715/510        ..Ruled lines

3   715/515        (3 OR, 0 XR)
        Class  715 :   DATA PROCESSING:  PRESENTATION PROCESSING OF
                          DOCUMENT
        715/500        PRESENTATION PROCESSING OF DOCUMENT
        715/514        .Hierarchical control
        715/515        ..Compound document

3   715/525        (1 OR, 2 XR)
        Class  715 :   DATA PROCESSING:  PRESENTATION PROCESSING OF
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                        DOCUMENT
        715/500         PRESENTATION PROCESSING OF DOCUMENT
        715/517         .Layout
        715/525         ..Pagination

3   715/529         (0 OR, 3 XR)
        Class    715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
        715/500         PRESENTATION PROCESSING OF DOCUMENT
        715/526         .Display processing
        715/529         ..Text attribute

3   715/533         (1 OR, 2 XR)
        Class    715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
        715/500         PRESENTATION PROCESSING OF DOCUMENT
        715/530         .Edit, composition, or storage control
        715/531         ..Text
        715/533         ...Spell Check

3   715/705         (1 OR, 2 XR)
        Class    715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
        715/700         OPERATOR INTERFACE (E.G., GRAPHICAL USER
                            INTERFACE)
        715/705         .Help presentation

3   715/781         (2 OR, 1 XR)
        Class    715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
        715/700         OPERATOR INTERFACE (E.G., GRAPHICAL USER
                            INTERFACE)
        715/764         .On-screen workspace or object
        715/781         ..Window or viewpoint

3   715/968         (0 OR, 3 XR)
        Class    715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
        715/961         OPERATOR INTERFACE WITH VISUAL STRUCTURE OR
                            FUNCTION DICTATED BY INTENDED USE
        715/965         .For process control and configuration
        715/966         ..Computer process (e.g., operation of
                            computer)
        715/968         ...Interface for database querying and
                            retrieval

2   53/136.4        (2 OR, 0 XR)
        Class    053 :  PACKAGE MAKING
        53/128.1        WITH COVER-ADJUNCT APPLICATION OR FORMATION
        53/135.1        .Adjunct comprising nonencircling strip, e.g.,
                            stamp, label or gap filler
        53/136.1        ..Applied to package
        53/136.3        ...To seal package
        53/136.4        ....Box

2   53/201          (0 OR, 2 XR)
        Class    053 :  PACKAGE MAKING
        53/201          CONVERTIBLE

2   53/376.5        (0 OR, 2 XR)
        Class    053 :  PACKAGE MAKING
        53/285          CLOSING PACKAGES AND FILLED RECEPTACLES
        53/376.3        .Package or receptacle having closure flap,
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                    e.g., carton flap, box lid, etc.
       53/376.4        ..Multiple closure flaps
       53/376.5        ...With means to apply adhesive

2   53/377.4      (0 OR, 2 XR)
       Class   053 :   PACKAGE MAKING
       53/285          CLOSING PACKAGES AND FILLED RECEPTACLES
       53/376.3        .Package or receptacle having closure flap,
                         e.g., carton flap, box lid, etc.
       53/377.4        ..With means to apply adhesive

2   190/108      (0 OR, 2 XR)
       Class   190 :   TRUNKS AND HAND-CARRIED LUGGAGE
       190/100         HAND LUGGAGE (SUITCASE, BRIEFCASE, ETC.)
       190/108         .Plural

2   190/110      (0 OR, 2 XR)
       Class   190 :   TRUNKS AND HAND-CARRIED LUGGAGE
       190/100         HAND LUGGAGE (SUITCASE, BRIEFCASE, ETC.)
       190/109         .Compartmented
       190/110         ..Removable compartment or compartment-forming
                         member

2   252/299.01   (0 OR, 2 XR)
       Class   252 :   COMPOSITIONS
       252/299.01      LIQUID CRYSTAL COMPOSITIONS

2   345/157      (0 OR, 2 XR)
       Class   345 :   COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                         SYSTEMS
       345/156         DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
       345/157         .Cursor mark position control device

2   345/420      (1 OR, 1 XR)
       Class   345 :   COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                         SYSTEMS
       345/418         COMPUTER GRAPHICS PROCESSING
       345/419         .Three-dimension
       345/420         ..Solid modelling

2   345/441      (1 OR, 1 XR)
       Class   345 :   COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                         SYSTEMS
       345/418         COMPUTER GRAPHICS PROCESSING
       345/441         .Shape generating

2   345/536      (0 OR, 2 XR)
       Class   345 :   COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                         SYSTEMS
       345/530         COMPUTER GRAPHICS DISPLAY MEMORY SYSTEM
       345/536         .Plural storage devices

2   345/589      (1 OR, 1 XR)
       Class   345 :   COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL    DISPLAY
                         SYSTEMS
       345/418         COMPUTER GRAPHICS PROCESSING
       345/581         .Attributes (surface detail or characteristic,
                         display attributes)
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         345/589        ..Color or intensity

2  345/619        (1 OR, 1 XR)
       Class   345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL   DISPLAY
                         SYSTEMS
         345/418        COMPUTER GRAPHICS PROCESSING
         345/619        .Graphic manipulation (object processing or
                           display attributes)

2  345/636        (1 OR, 1 XR)
       Class   345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL   DISPLAY
                         SYSTEMS
         345/418        COMPUTER GRAPHICS PROCESSING
         345/619        .Graphic manipulation (object processing or
                             display attributes)
         345/629        ..Merge or overlay
         345/634        ...Image based
         345/636        ....Character and graphics

2  345/667        (1 OR, 1 XR)
       Class   345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL   DISPLAY
                         SYSTEMS
         345/418        COMPUTER GRAPHICS PROCESSING .
         345/619        .Graphic manipulation (object processing or
                           display attributes)
         345/660        ..Scaling
         345/667        ...Image based (addressing)

2  347/15         (0 OR, 2 XR)
       Class   347 :  INCREMENTAL PRINTING OF SYMBOLIC INFORMATION

         347/1          INK JET
         347/5          .Controller
         347/9          ..Of ejector
         347/15         ...Creating plural tones

2  348/807        (0 OR, 2 XR)
       Class   348 :  TELEVISION
         348/739        VIDEO DISPLAY
         348/805        .Cathode-ray tube
         348/806        ..With distortion, alignment or focus
         348/807        ...Color convergence correction

2  349/86         (0 OR, 2 XR)
       Class   349 :  LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
         349/56         PARTICULAR STRUCTURE
         349/84         .Having significant detail of cell structure
                           only
         349/86         ..Microencapsulated or polymer dispersed liquid
                           crystal

2  349/88         (0 OR, 2 XR)
       Class   349 :  LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
         349/56         PARTICULAR STRUCTURE
         349/84         .Having significant detail of cell structure
                           only
         349/86         ..Microencapsulated or polymer dispersed liquid
                           crystal
         349/88         ...Polymer network liquid crystal
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2  349/92        (0 OR, 2 XR)
       Class   349 :  LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
       349/56          PARTICULAR STRUCTURE
       349/84          .Having significant detail of cell structure
                           only
       349/86          ..Microencapsulated or polymer dispersed liquid
                           crystal
       349/92          ...Formed by particular technique

2  355/24         (1 OR, 1 XR)
       Class   355 :  PHOTOCOPYING
       355/18          PROJECTION PRINTING AND COPYING CAMERAS
       355/23          .Copying both sides of original
       355/24          ..Duplex

2  355/40         (0 OR, 2 XR)
       Class   355 :  PHOTOCOPYING
       355/18          PROJECTION PRINTING AND COPYING CAMERAS
       355/40          .Identifying, composing, or selecting

2  355/41         (0 OR, 2 XR)
       Class   355 :  PHOTOCOPYING
       355/18          PROJECTION PRINTING AND COPYING CAMERAS
       355/40          .Identifying, composing, or selecting
       355/41          ..Including photocell

2  358/1.11       (0 OR, 2 XR)
       Class   358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

       358/1.1         STATIC PRESENTATION PROCESSING (E.G.,
                           PROCESSING DATA FOR PRINTER, ETC.)
       358/1.11        .Character or font

2  358/1.16       (1 OR, 1 XR)
       Class   358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

       358/1.1         STATIC PRESENTATION PROCESSING (E.G.,
                           PROCESSING DATA FOR PRINTER, ETC.)
       358/1.16        .Memory

2  358/296        (0 OR, 2 XR)
       Class   358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

       358/400         FACSIMILE
       358/296         .Recording apparatus

2  358/401        (0 OR, 2 XR)
       Class   358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

       358/400         FACSIMILE
       358/401         .Image reproduction system

2  358/404        (0 OR, 2 XR)
       Class   358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

       358/400         FACSIMILE
       358/404         .Facsimile memory monitoring

2  358/435        (1 OR, 1 XR)
       Class   358 :  FACSIMILE AND STATIC PRESENTATION PROCESSING

       358/400         FACSIMILE
       358/434         .Auxiliary signal
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      358/435        ..Transmitter and receiver both supply
                       auxiliary signal(s)

2  358/453        (1 OR, 1 XR)
      Class    358 :   FACSIMILE AND STATIC PRESENTATION PROCESSING

      358/400        FACSIMILE
      358/443        .Specific signal processing circuitry
      358/448        ..Image processing
      358/453        ...Image portion selection

2  358/474        (0 OR, 2 XR)
      Class    358 :   FACSIMILE AND STATIC PRESENTATION PROCESSING

      358/400        FACSIMILE
      358/471        .Picture signal generator
      358/474        ..Scanning

2  382/112        (1 OR, 1 XR)
      Class    382 :   IMAGE ANALYSIS
      382/100        APPLICATIONS
      382/112        .Document or print quality inspection (e.g.,
                       newspaper, photographs, etc.)

2  382/168        (1 OR, 1 XR)
      Class    382 :   IMAGE ANALYSIS
      382/168        HISTOGRAM PROCESSING

2  382/175        (0 OR, 2 XR)
      Class    382 :   IMAGE ANALYSIS
      382/173        IMAGE SEGMENTATION
      382/175        .Separating document regions using preprinted
                       guides or markings

2  382/209        (0 OR, 2 XR)
      Class    382 :   IMAGE ANALYSIS
      382/181        PATTERN RECOGNITION
      382/209        .Template matching (e.g., specific devices that
                       determine the best match)

2  382/231        (2 OR, 0 XR)
      Class    382 :   IMAGE ANALYSIS
      382/181        PATTERN RECOGNITION
      382/229        .Context analysis or word recognition (e.g.,
                       character string)
      382/231        ..Checking spelling for recognition

2  396/234        (0 OR, 2 XR)
      Class    396 :   PHOTOGRAPHY
      396/213        EXPOSURE CONTROL CIRCUIT
      396/233        .Having plural photocells
      396/234        ..More than two photometering areas

2  399/81         (1 OR, 1 XR)
      Class    399 :   ELECTROPHOTOGRAPHY
      399/75         MACHINE OPERATION
      399/81         .Operator interface (e.g., display control
                       panel)

2  400/120.02     (1 OR, 1 XR)
      Class    400 :   TYPEWRITING MACHINES
      400/118.2      TYPING BY OTHER THAN TYPE-FACE OR TYPE-DIE
      400/120.01     .Thermal
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             400/120.02    ..Multicolor

2  400/615.2    (2 OR, 0 XR)
          Class   400 :  TYPEWRITING MACHINES
          400/578        SHEET OR WEB (E.G., RECORD-MEDIUM FEEDING
                             MECHANISM)
          400/611        .For feeding web record-medium
          400/613        ..With web supply or takeup or mount therefor
                             (e.g., web cartridge, etc.)
          400/615.2      ...For feeding tape in direction of print-line
                             (i.e., transverse feed)

2  400/63       (1 OR, 1 XR)
          Class   400 :  TYPEWRITING MACHINES
          400/61         INCLUDING CONTROL OF FORMAT AND SELECTION OF
                             TYPE-FACE BY PROGRAMMED CONTROL-SYSTEM (E.G., INPUT
                             TYPEWRITER)
          400/63         .Including editing or revision system

2  400/83       (0 OR, 2 XR)
          Class   400 :  TYPEWRITING MACHINES
          400/83         DISPLAYING TYPEWRITER-FORMED REPRESENTATION OF
                             PRINT-LINE

2  428/1.1      (2 OR, 0 XR)
          Class   428 :  STOCK MATERIAL OR MISCELLANEOUS ARTICLES
          428/1.1        LIQUID CRYSTAL OPTICAL DISPLAY HAVING LAYER OF
                             SPECIFIED COMPOSITION

2  435/252.3    (0 OR, 2 XR)
          Class   435 :  CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

          435/243        MICRO-ORGANISM, PER SE (E.G., PROTOZOA, ETC.);
                             COMPOSITIONS THEREOF; PROCES OF PROPAGATING,
MAINTAINING OR
                             PRESERVING MICRO-ORGANISMS OR COMPOSITIONS THEREOF;
PROCESS
                             OF PREPARING OR ISOLATING A COMPOSITION CONTAINING A
                             MICRO-ORGANISM; CULTURE MEDIA THEREFOR
          435/252.1      .Bacteria or actinomycetales; media therefor
          435/252.3      ..Transformants (e.g., recombinant DNA or
                             vector or foreign or exogenous gene containing, fused
                             bacteria, etc.)

2  435/320.1    (0 OR, 2 XR)
          Class   435 :  CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

          435/320.1      VECTOR, PER SE (E.G., PLASMID, HYBRID PLASMID,
                             COSMID, VIRAL VECTOR, BACTERIOPHAGE VECTOR, ETC.)
                             BACTERIOPHAGE VECTOR, ETC.)

2  700/181      (1 OR, 1 XR)
          Class   700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                             SPECIFIC APPLICATIONS
          700/90         SPECIFIC APPLICATION, APPARATUS OR PROCESS
          700/95         .Product assembly or manufacturing
          700/117        ..Particular manufactured product or operation

          700/159        ...Machining
          700/180        ....Having operator interface feature
          700/181        .....Specific programming format (e.g., macro)
```

```
2  700/184        (1 OR, 1 XR)
      Class    700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                         SPECIFIC APPLICATIONS
      700/90            SPECIFIC APPLICATION, APPARATUS OR PROCESS
      700/95            .Product assembly or manufacturing
      700/117           ..Particular manufactured product or operation

      700/159           ...Machining
      700/180           ....Having operator interface feature
      700/184           .....Machining path display

2  700/86         (1 OR, 1 XR)
      Class    700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                         SPECIFIC APPLICATIONS
      700/1             GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS
      700/86            .Having preparation of program

2  701/213        (1 OR, 1 XR)
      Class    701 :  DATA PROCESSING: VEHICLES, NAVIGATION, AND
                         RELATIVE LOCATION
      701/200           NAVIGATION
      701/207           .Employing position determining equipment
      701/213           ..Using Global Positioning System (GPS)

2  701/214        (0 OR, 2 XR)
      Class    701 :  DATA PROCESSING: VEHICLES, NAVIGATION, AND
                         RELATIVE LOCATION
      701/200           NAVIGATION
      701/207           .Employing position determining equipment
      701/213           ..Using Global Positioning System (GPS)
      701/214           ...Means to improve accuracy of position or
                            location

2  703/6          (2 OR, 0 XR)
      Class    703 :  DATA PROCESSING:  STRUCTURAL DESIGN,
                         MODELING, SIMULATION, AND EMULATION
      703/6             SIMULATING NONELECTRICAL DEVICE OR SYSTEM

2  704/10         (1 OR, 1 XR)
      Class    704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                         LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                         COMPRESSION/DECOMPRESSION
      704/1             LINGUISTICS
      704/10            .Dictionary building, modification, or
                            prioritization

2  704/2          (2 OR, 0 XR)
      Class    704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                         LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                         COMPRESSION/DECOMPRESSION
      704/1             LINGUISTICS
      704/2             .Translation machine

2  704/4          (0 OR, 2 XR)
      Class    704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                         LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                         COMPRESSION/DECOMPRESSION
      704/1             LINGUISTICS
      704/2             .Translation machine
      704/4             ..Based on phrase, clause, or idiom

2  704/5          (0 OR, 2 XR)
      Class    704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
```

```
                    LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                    COMPRESSION/DECOMPRESSION
        704/1       LINGUISTICS
        704/2       .Translation machine
        704/5       ..For partial translation

2  704/7           (0 OR, 2 XR)
        Class   704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                    LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                    COMPRESSION/DECOMPRESSION
        704/1       LINGUISTICS
        704/2       .Translation machine
        704/7       ..Storage or retrieval of data

2  705/1           (0 OR, 2 XR)
        Class   705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                    PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
        705/1       AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                    PRACTICE OR MANAGEMENT ARRANGEMENT

2  705/23          (2 OR, 0 XR)
        Class   705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                    PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
        705/1       AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                    PRACTICE OR MANAGEMENT ARRANGEMENT
        705/16      .Including point of sale terminal or electronic
                    cash register
        705/23      ..Input by product or record sensing (weighing,
                    scanner processing)

2  706/45          (1 OR, 1 XR)
        Class   706 :  DATA PROCESSING: ARTIFICIAL INTELLIGENCE
        706/45      KNOWLEDGE PROCESSING SYSTEM

2  707/1           (0 OR, 2 XR)
        Class   707 :  DATA PROCESSING:  DATABASE AND FILE
                    MANAGEMENT OR DATA STRUCTURES
        707/1       DATABASE OR FILE ACCESSING

2  707/10          (1 OR, 1 XR)
        Class   707 :  DATA PROCESSING:  DATABASE AND FILE
                    MANAGEMENT OR DATA STRUCTURES
        707/1       DATABASE OR FILE ACCESSING
        707/10      .Distributed or remote access

2  707/200         (0 OR, 2 XR)
        Class   707 :  DATA PROCESSING:  DATABASE AND FILE
                    MANAGEMENT OR DATA STRUCTURES
        707/200     FILE OR DATABASE MAINTENANCE

2  707/203         (0 OR, 2 XR)
        Class   707 :  DATA PROCESSING:  DATABASE AND FILE
                    MANAGEMENT OR DATA STRUCTURES
        707/200     FILE OR DATABASE MAINTENANCE
        707/201     .Coherency (e.g., same view to multiple users)

        707/203     ..Version management

2  707/205         (0 OR, 2 XR)
        Class   707 :  DATA PROCESSING:  DATABASE AND FILE
                    MANAGEMENT OR DATA STRUCTURES
        707/200     FILE OR DATABASE MAINTENANCE
        707/205     .File allocation
```

```
2  709/218      (0 OR, 2 XR)
       Class   709 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS:  MULTIPLE COMPUTER OR PROCESS   COORDINATING
       709/217          REMOTE DATA ACCESSING
       709/218          .Using interconnected networks

2  715/500      (0 OR, 2 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/500          PRESENTATION PROCESSING OF DOCUMENT

2  715/516      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/500          PRESENTATION PROCESSING OF DOCUMENT
       715/514          .Hierarchical control
       715/515          ..Compound document
       715/516          ...Matching application process to displayed
                          data type

2  715/519      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/500          PRESENTATION PROCESSING OF DOCUMENT
       715/517          .Layout
       715/518          ..Spacing control
       715/519          ...Horizontal spacing

2  715/528      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/500          PRESENTATION PROCESSING OF DOCUMENT
       715/526          .Display processing
       715/528          ..Color attribute

2  715/539      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/500          PRESENTATION PROCESSING OF DOCUMENT
       715/530          .Edit, composition, or storage control
       715/539          ..Block control

2  715/542      (0 OR, 2 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/500          PRESENTATION PROCESSING OF DOCUMENT
       715/542          .Font selection

2  715/700      (0 OR, 2 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700          OPERATOR INTERFACE (E.G., GRAPHICAL USER
                          INTERFACE)

2  715/744      (0 OR, 2 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700          OPERATOR INTERFACE (E.G., GRAPHICAL USER
                          INTERFACE)
       715/733          .For plural users or sites (e.g., network)
       715/744          ..Interface customization or adaption (e.g.,
                          client server)
```

```
2  715/764      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
                           INTERFACE)
       715/764           .On-screen workspace or object

2  715/803      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
                           INTERFACE)
       715/764           .On-screen workspace or object
       715/781           ..Window or viewpoint
       715/803           ...Window differentiation

2  715/805      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
                           INTERFACE)
       715/764           .On-screen workspace or object
       715/781           ..Window or viewpoint
       715/804           ...Interwindow link or communication
       715/805           ....On-screen link or communication (e.g., cue)

2  715/810      (0 OR, 2 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
                           INTERFACE)
       715/764           .On-screen workspace or object
       715/810           ..Menu or selectable iconic array (e.g.,
                           palette)

2  715/838      (2 OR, 0 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
                           INTERFACE)
       715/764           .On-screen workspace or object
       715/810           ..Menu or selectable iconic array (e.g.,
                           palette)
       715/835           ...Selectable iconic array
       715/838           ....Thumbnail or scaled image

2  715/839      (0 OR, 2 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
                           INTERFACE)
       715/764           .On-screen workspace or object
       715/810           ..Menu or selectable iconic array (e.g.,
                           palette)
       715/835           ...Selectable iconic array
       715/839           ....Imitating real life object

2  715/856      (1 OR, 1 XR)
       Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
       715/700           OPERATOR INTERFACE (E.G., GRAPHICAL USER
```

INTERFACE)
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      715/764          .On-screen workspace or object
      715/856          ..Cursor

2  715/866       (0 OR, 2 XR)
      Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                        DOCUMENT
      715/700          OPERATOR INTERFACE (E.G., GRAPHICAL USER
                         INTERFACE)
      715/866          .Miscellaneous customization or adaptation

2  726/27        (1 OR, 1 XR)
      Could not find class title.
      Could not find class schedule.
      Could not find subclass title.
```

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10652670 on October 07, 2005

Original Classifications
6   715/501.1
4   358/1.15
4   707/3
4   715/513
4   715/517
3   349/42
3   707/5
3   715/515
3   715/521
2   53/136.4
2   345/418
2   345/473
2   358/1.13
2   358/400
2   358/403
2   358/468
2   382/173
2   382/176
2   382/231
2   400/615.2
2   428/1.1
2   703/6
2   704/2
2   705/23
2   707/104.1
2   707/2
2   707/4
2   707/7
2   715/508
2   715/530
2   715/781
2   715/838

Cross-Reference Classifications
8   707/3
6   707/4
6   715/531
5   707/6
5   715/530
4   382/306
4   707/2
4   707/5
4   715/513
4   715/514
4   715/526
3   345/168
3   358/403
3   358/462
3   382/190
3   382/305
3   707/102
3   707/104.1
3   715/507
3   715/518
3   715/520
3   715/521
3   715/529
3   715/835

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3   715/968
2    53/201
2    53/376.5
2    53/377.4
2   190/108
2   190/110
2   252/299.01
2   345/157
2   345/467
2   345/471
2   345/473
2   345/536
2   345/629
2   347/15
2   348/807
2   349/86
2   349/88
2   349/92
2   355/40
2   355/41
2   358/1.11
2   358/1.13
2   358/1.9
2   358/296
2   358/401
2   358/404
2   358/474
2   382/175
2   382/176
2   382/209
2   382/229
2   396/234
2   400/76
2   400/83
2   435/252.3
2   435/320.1
2   701/214
2   704/3
2   704/4
2   704/5
2   704/7
2   705/1
2   707/1
2   707/200
2   707/203
2   707/205
2   707/7
2   709/217
2   709/218
2   715/500
2   715/501.1
2   715/508
2   715/510
2   715/525
2   715/533
2   715/542
2   715/700
2   715/705
2   715/744
2   715/810
2   715/839
2   715/866
```

Combined Classifications
```
12   707/3
 8   707/4
 8   715/501.1
 8   715/513
 7   707/5
 7   715/530
 7   715/531
 6   707/2
 6   707/6
 6   715/521
 5   358/1.15
 5   358/403
 5   382/306
 5   707/104.1
 5   715/517
 4   345/473
 4   358/1.13
 4   382/176
 4   382/305
 4   707/102
 4   707/7
 4   715/508
 4   715/514
 4   715/518
 4   715/520
 4   715/526
 4   715/835
 3   345/168
 3   345/418
 3   345/467
 3   345/471
 3   345/629
 3   349/42
 3   358/1.9
 3   358/400
 3   358/462
 3   358/468
 3   382/173
 3   382/190
 3   382/229
 3   400/76
 3   704/3
 3   709/217
 3   715/507
 3   715/510
 3   715/515
 3   715/525
 3   715/529
 3   715/533
 3   715/705
 3   715/781
 3   715/968
 2    53/136.4
 2    53/201
 2    53/376.5
 2    53/377.4
 2   190/108
 2   190/110
 2   252/299.01
 2   345/157
 2   345/420
 2   345/441
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2 345/536
2 345/589
2 345/619
2 345/636
2 345/667
2 347/15
2 348/807
2 349/86
2 349/88
2 349/92
2 355/24
2 355/40
2 355/41
2 358/1.11
2 358/1.16
2 358/296
2 358/401
2 358/404
2 358/435
2 358/453
2 358/474
2 382/112
2 382/168
2 382/175
2 382/209
2 382/231
2 396/234
2 399/81
2 400/120.02
2 400/615.2
2 400/63
2 400/83
2 428/1.1
2 435/252.3
2 435/320.1
2 700/181
2 700/184
2 700/86
2 701/213
2 701/214
2 703/6
2 704/10
2 704/2
2 704/4
2 704/5
2 704/7
2 705/1
2 705/23
2 706/45
2 707/1
2 707/10
2 707/200
2 707/203
2 707/205
2 709/218
2 715/500
2 715/516
2 715/519
2 715/528
2 715/539
2 715/542
2 715/700
2 715/744

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2  715/764
2  715/803
2  715/805
2  715/810
2  715/838
2  715/839
2  715/856
2  715/866
2  726/27
```